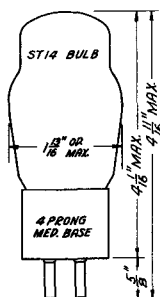
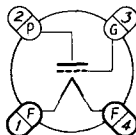


TRIODE
POWER AMPLIFIER
Filament Type Glass Bulb



The 45 is a triode type amplifier tube designed for service in the output stage of a-c operated receivers.



BOTTOM VIEW OF SOCKET

RATINGS

Heater Voltage (a-c or d-c)	2.5	volts
Heater Current	1.5	amp
Maximum Plate Voltage	275	volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	7	μf
Input	4	μf
Output	3	μf

AMPLIFIER - CLASS A

Plate Voltage	180	250	275	volts
Grid Bias†	-31.5	-50	-56	volts
Amplification Factor	3.5	3.5	3.5	
Plate Resistance	1650	1610	1700	ohms
Transconductance	2125	2175	2050	μmhos
Plate Current	31	34	36	ma
Load Resistance	2700	3900	4600	ohms
Power Output (5% second harmonic)	0.825	1.6	2	watts

AMPLIFIER - PUSH-PULL - CLASS AB - TWO TUBES

	Fixed-Bias	Self-Bias	
Plate Voltage	275	275	volts
Grid Bias†	-68		volts
Self-Bias Resistor		775	ohms
No-Signal Plate Current (per tube)	14	36	ma
Max.-Signal Plate Current (per tube)	69	45	ma
Load Resistance (plate to plate)	3200	5060	ohms
Total Harmonic Distortion	5	5	percent
Power Output	18	12	watts
Average Power Input (grid to grid)	656	461	mw

†Grid Bias measured from mid-point of a-c operated filament.

